

# BULLETIN

of the  
MAHONING COUNTY  
MEDICAL SOCIETY

*Volume LIII*

MARCH, 1983

*Number 3*



---

*For OSMA Members and Their Families...*

---

**NEW** For the preferred risk Ohio physician market.  
**LOW** PICO's **Heritage Plan** line of preferred personal insurance coverages for OSMA members and their families are now available at extremely competitive rates!  
**RATES**  
**FOR** **Heritage Plan** offers you the finest protection available for your automobile, home, and other personal possessions.  
**YOUR**  
**AUTO** Because of PICO's many possible rate credits, **your automobile and homeowners' premiums with PICO may be significantly lower than your present coverage rates!** And, if you choose an Auto/Home Package policy, your premiums can be even lower!  
**AND**  
**HOMEOWNERS**  
**INSURANCE** Contact your local PICO agency for a quote...we think you'll be delighted with the excellent coverage and rates available from your Ohio physician-owned company.  
**FROM**  
**PICO**



Physicians Insurance Company of Ohio  
Bates Drive, P.O. Box 281  
Pickerington, Ohio 43147

(614) 864-7100 or toll free in Ohio 1-800-282-7515

# **COMPLETE PROTECTION**

**MEDICAL  
PROFESSIONAL  
LIABILITY  
INSURANCE**

**FAMILY  
AUTOMOBILE  
INSURANCE**

**HOMEOWNERS  
INSURANCE**

**OFFICE  
PROTECTION  
POLICY**

Complete Insurance Services

## **The Gluck Insurance Agency**



*PICO Authorized Representatives:*

JAMES LANG  
JAMES KEATING

JAMES SUTMAN  
EDWARD HASSAY



Introducing LIFESTYLE I. A 12.2%\*  
return on your life insurance investment PLUS  
the valuable protection of life insurance.

\* current rate as of 11/81

## **The Gluck Insurance Agency**

2901 Market St., Yo., OH 44507      P.O. Box 2726

Telephone: (216) 788-6577

# LESTER'S

- PHYSICIAN SUPPLIES
- HOSPITAL SUPPLIES
- PRESCRIPTIONS

We offer

- Prompt courteous service—Free Delivery
- Complete Stocks
- Fair Price
- Literature—New Product Information
- Complete colostomy supply service

*If we can be of service—*

**PLEASE CALL**

**264 Federal Plaza West  
744-4111**

Office Supplies  
Business Furniture  
Data Supplies



## DeBALD & CO., INC.

FOR PROMPT SERVICE PHONE 746-0597

1300 Wick Ave. • P.O. Box 6085 • Youngstown, OH 44501

## YOUNGSTOWN LIMB CO., INC.

The latest in upper and lower prosthetics  
and accessories.

CERTIFIED: AMERICAN BOARD OF CERTIFICATION

Rehabilitation of amputees since 1918

14 S. Meridian Rd. • Youngstown, Ohio 44509

792-2561 — Phones — 792-4684

## Officers and Council

### Officers

P. J. MAHAR, JR., *President*  
 G. J. BAUMBLATT, *Vice President*  
 R. M. KISKADDON, *Immediate Past President*  
 H. S. WANG, *Secretary*  
 A. Z. RABINOWITZ, *Treasurer*

### Delegates

J. J. ANDERSON  
 J. C. MELNICK  
 C. E. PICHETTE  
 W. E. SOVIK  
 K. F. WIENEKE

### Council

A. G. BITONTE  
 T. N. DETESCO  
 A. DiDOMENICO  
 J. S. GREGORI  
 S. D. GROSSMAN  
 J. G. GUJU  
 M. I. JACOBSON  
 N. A. JAFFER  
 P. R. LAKHANI  
 D. H. LEVY

### Alternate Delegates

D. J. DALLIS  
 J. A. LAMBERT  
 R. A. MEMO  
 D. E. PICHETTE  
 J. W. TANDATNICK

Representative to Blue Cross of Eastern Ohio: W. E. Sovik  
 Executive Director: Robert B. Blake

## 1983 - MAHONING COUNTY MEDICAL SOCIETY MEETINGS - 1983

Tuesday	Tuesday	Tuesday	Tuesday	Tuesday	Tuesday
Jan. 18	Mar. 15	May 17	Sept. 20	Nov. 15	Dec. 20

## Table of Contents

MARCH, 1983

From The Desk Of The President .....	66
Editorial: Routine Studies - On Way Out? .....	67
Proceedings of Council .....	71
Birthdays .....	73
CME at YHA .....	73
Ushering in the 21st Century: Dr. Goldstein .....	75
From the <i>Bulletin</i> : 50, 40, 30, 20, 10 Years Ago .....	79
Old Timer Declares .....	81
CME at St. Elizabeth Hospital .....	86

## Advertisers' List

Barrett Cadillac .....	68	Martin Classic Cars .....	82
Bartholomy Real Estate .....	86	Medical Dental Bureau .....	83
Boardman Hearing Aid Services .....	80	Medical Protective .....	78
DeBald & Co. Inc. ....	64	OSMA .....	72
Gluck Agency .....	63	Patient Care Center .....	74
Hitchcock Medical Center .....	80	PICO .....	62
Hongkong Tailors .....	87	Picolife .....	70
Attorney George Jones .....	86	Stillson & Donahay .....	68
Lester's .....	64	Trumco Insurance Co. ....	77
Lyons Physicians Supply .....	88	Youngstown Limb Company .....	64
Mahoning National Bank .....	78		

## *From the Desk of the President*



The physician is often in the spotlight on TV programs. The role is a favorite topic because of the important part the physician plays in critical situations everyday. The physician's life and work often make an engrossing and, therefore, entertaining script. Sometimes these portrayals are accurate but, often they are not. Nevertheless, they frequently capture one or another aspect of the practice of medicine.

Most people have been involved with physicians from an early age and most have relied on a physician's judgment, advice and concern; indeed many have placed their lives or, more precious, the lives of their children in the hands of their physician.

Often, in our busy schedules, we lose sight of the tremendous honor we are granted each day in ministering to the frail or failing bodies of mankind. We are given the privilege of laying on, to those human beings in pain and distress, our hands; we are accorded the right to give medications and perform surgery that might drastically alter peoples' well-being and even their destiny. We witness birth, death, and all the beautifully different stages between. We share joy and despair, anguish and laughter. We, perhaps more than any other group of people, are given opportunities to develop great insight into what this life is all about.

No career is so demanding of one's time and skills or more destructive to one's personal plans and life-style than Medicine. We, as physicians, become in so many ways another member of our patient's family; confidant, confessor, advisor, friend. We have been accorded places of esteem, trust, responsibility and honor in societies for literally thousands of years. In good times and bad times, we have been respected and, indeed, even often loved.

Though we have our detractors and our reputations are under ever-increasing attack, our professional image still remains relatively untarnished. Those who would have us reclassified as health-care providers or tradesmen cannot so easily strip us of our healers' robes.

Because of the demands on our time, and schedules that must be met, we sometimes miss the opportunity of reflective moments on what it is we really do. Nothing can be more rewarding than a good result or more humbling than failure when dealing with one's fellow men as the prime object of those successes or failures. Reflection should be the well-spring, the source of the strength needed to persevere.

(Continued on Page 69)



# BULLETIN

## of the Mahoning County Medical Society

Published Monthly for and by the Members

1005 Belmont Ave.  
Youngstown, Ohio 44504  
Phone 747-4956

*Not published in May,  
July and August.*

**Volume LIII**

**MARCH, 1983**



**Number 3**

The opinions and conclusions expressed herein do not necessarily represent the views of the Editorial staff nor the official views of the Mahoning County Medical Society.

### EDITOR

R. W. Juvancic, M.D.

### EDITOR EMERITUS

James L. Fisher, M.D.

### MANAGING EDITOR

Robert B. Blake

### EDITORIAL STAFF

Robert R. Fisher, M.D.

John C. Melnick, M.D.

James A. Lambert, M.D.

Jack Schreiber, M.D.

## Editorial

### ROUTINE STUDIES — ON WAY OUT?

When the American College of Radiology decided that routine chest x-rays should be eliminated in certain conditions (J. A. M. A. Jan. 28, 1983 page 447), it was expected to produce many negative comments. Already they plan new preanesthesia recommendations within the next year.

For those of us who were graduated years ago, many of our standby procedures are seldom if ever used now. They were replaced by "superior" but more expensive procedures. Routine studies were common, so much so that one might forget what was included in the routine and some studies were repeated for no apparent reason.

Insurance, malpractice, industrial and other special interests stimulated the promulgation of procedures that personal judgment could not justify, but was overruled by these demands. Expensive routine physicals, using many procedures and mass screening were hailed as means to diagnose and treat early. Costs rose steeply.

Concerns over these costs, overexposure to radiation, allergic manifestations and other problems voiced by third party payers, patients and politicians have forced a changed focus in patient management approaches.

For a long time it was fairly easy to order whatever one wanted in an effort to diagnose and treat effectively. Now, the approach must be more specific and cost-efficient. Some payers are now urging second opinions and are requiring justification prior to elective procedures and/or admissions. Is the next step a guarantee of good results?

One has to wonder if we have gone full cycle and are living the modern version of the ancient tradition of physician responsibility wherein either his life or a portion of his body could be sacrificed for a less than desirable treatment result.

Perhaps, the computer, fed the proper input, will be one direction to take. But can the computer take a patient's hand and allay his fears? Will the computer have built-in intuition to cut through useless procedures? Will it lead to straight cookbook medicine?

(Continued on Page 69)

## If Professional Treatment In Automotive Sales and Service Is Important To You... See **BARRETT CADILLAC**

The sales and service departments at Barrett Cadillac have traditionally upheld the professional, quality performance standards demanded by its clients for over 30 years. Add to this tradition an expanded line of automotive offerings including domestic and imported luxury cars, sports cars, convertibles, station wagons, 4 x 4's and economy cars, and you have a true one-stop source for all your automotive needs.

THE VALUE-ADDED DEALER


# **BARRETT CADILLAC INC.**

CADILLAC • AMERICAN MOTORS • RENAULT • FIAT

Visit Barrett soon or phone to have a Barrett sales representative call on you at your convenience.

907 Wick Ave. • Phone 747-3521

# Person-to-Person...



... Our creed, if not in word, in practice, for over a-half-century. Personally here to service your professional needs. Our newly-formed casualty division demonstrates our professionalism and our personal commitment to you! We're Person-to-Person Persons!

## **Stillson & Donahay** AGENCY, INC.

**RALPH L. AMITY • JOHN G. FOUSE  
LLOYD T. STILLSON • REUEL J. PECK • WILLIAM E. GRIFFITH**  
BANK ONE BUILDING • 30 N. MAIN STREET IN POLAND • (216) 757 3726



## (EDITORIAL — Continued from Page 67)

We must never forget that it is *only* the physician who is given the mandate to practice Medicine. Our beloved nurses, the therapists, the technicians, and all the other dedicated supportive personnel so necessary for effective delivery of care, plus the hospital that provides a milieu conducive to rendering that care, are *not* given that right. We must continue to regard this as a sacred trust and continue to lead and give direction to the health needs of our community. We must re-emphasize that we are by no means to be regarded as providers or tradesmen. We deliver no product, we do not deal in goods, we are a vital part of the lives of the people we treat; we share their hopes, their fears and their aspirations. We heal physically and spiritually, not aseptically remote or uninterested but intimately involved and concerned. Our patients still wish it to be that way. It is therein that the respect and dignity of our profession arises and it is from that intimate physician-patient relationship that so much of the good will that is still accorded physicians is engendered.

Work diligently, study carefully, treat astutely, accept success and failure humbly as part of the Creator's master plan. Most of all, reflect often on the blessings we have been given as physicians! What other career could be more beautiful, more rewarding or fulfilling?

P. J. Mahar, Jr., *President*

## (PRESIDENT — Continued from Page 66)

We need to study and to understand computers and other suggested solutions thoroughly or we shall surely push the focus in another direction with *no* solutions to the problems while raising new ones.

Richard W. Juvancic, M.D.

**ON PERMITTING ADMITTING**

*Sec. 3727.06 of HB 173 grants specific authority regarding hospital admissions, as follows:*

Only a doctor of medicine who is a member of the medical staff, doctor of osteopathic medicine who is a member of the medical staff, or dentist who is a member of the medical staff may admit a patient to a hospital, but a podiatrist who is a member of the staff of a hospital may co-admit a patient with a doctor of medicine who is a member of the medical staff or doctor of osteopathic medicine who is a member of the medical staff.

All hospital patients shall be under the medical supervision of a doctor of medicine or doctor of osteopathic medicine, except that services that may be rendered by a licensed dentist pursuant to Chapter 4715. of the Revised Code provided to patients admitted solely for the purpose of receiving such services shall be under the supervision of the admitting dentist. If treatment not within the scope of Chapter 4715. of the Revised Code is required at the time of admission by a dentist, or becomes necessary during the course of hospital treatment by a dentist, such treatment shall be under the supervision of a doctor of medicine who is a member of the medical staff or a doctor of osteopathic medicine who is a member of the medical staff. It shall be the responsibility of the admitting dentist to make arrangements with a doctor of medicine who is a member of the medical staff or a doctor of osteopathic medicine who is a member of the medical staff to be responsible for the patient's treatment outside the scope of Chapter 4715. of the Revised Code when necessary during the patient's stay in the hospital.

# Waiting for a reason to buy Universal Life...



## Congress has approved Universal Life.

### Here are seven more reasons you should choose PICO Lifestyle 1, now...

- PICO Lifestyle 1 is custom tailored to fit individual needs.
- PICO Lifestyle 1 is ideal for business needs: buy-sell, stock redemption, key man and pension plans.
- PICO Lifestyle 1 cash values earn high interest returns — currently crediting 12.2% on cash values in excess of \$500 (4% on first \$500).
- PICO Lifestyle 1 offers adjustable benefits.
- Premiums are flexible.
- Interest earnings are tax sheltered.
- Protection costs are extremely low compared to traditional whole life plans.

PICO Lifestyle 1. The *ideal* policy for professionals of all ages.

For more information about the life insurance product that has been approved by Congress, contact PICO Life Insurance Company today.



**PICO Life Insurance Company**

Bates Drive  
P.O. Box 281

Pickerington, Ohio 43147

(614) 864-3900 or toll free in Ohio  
1-800-282-7515

A subsidiary of  
Physicians Insurance Company of Ohio

## PROCEEDINGS OF COUNCIL - February 8, 1983

The regular meeting of the Council of the Mahoning County Medical Society was held Tuesday, February 8, 1983 at Fonderlac Country Club.

The meeting was called to order by Dr. P. J. Mahar, Jr. at 6:58 p.m.

The minutes of the previous meeting, having been read, were approved.

The bills were read and a motion made, seconded and passed to pay each bill.

The treasurer's report listed all but 42 members as having paid their dues and the total dues collection was listed.

The following applications were presented by the censors:

ASSOCIATE: Veeraiah C. Perni, M.D.

John C. York II, M.D.

The applications were approved. The applicants will become members of the Mahoning County Medical Society in the voted category 15 days after publication of the names in the *Bulletin* unless objection is filed in writing with the executive director before that time.

Mailings from OSMA regarding a Key Physician Questionnaire and Patient Questionnaire were discussed.

A communication concerning 45/49 Feedback, a program on Public Television out of Akron, was tabled for a later meeting to allow the public relations committee to evaluate the proposal.

Letters from AMA regarding Health Care Coalitions and a Major Awards Program were discussed, with no action taken. Members took note of a communication from Mrs. Walter Tims, thanking the Society for the courtesy extended on the occasion of Dr. Tims receiving his 50-year In Medicine Award.

Dr. Anderson, Sixth District Councilor, reported on the Caucus Meeting in Rootstown and the February meeting of the OSMA Council.

The Scholarship Dinner committee reported eight host couples are needed for the annual event being held April 14th at the Youngstown Club.

Dr. Mahar appointed Dr. M. I. Jacobson as head of the Committee for the Medically Indigent, to replace Dr. C. E. Pichette, who requested relief from the chairmanship.

The members of Council passed a motion to pay the registration fee for Dr. T. N. Detesco to attend the AMA Leadership Conference in Chicago on Feb. 17 - 19.

The Council approved a contribution of \$100 to the Americanism Foundation of Norwalk, Ohio that underwrites attendance of high school students at Americanism seminars.

Council approved the purchase of three framed copies of the composite group photo that was compiled from the individual photos taken recently of the Society members, with the copies to be donated to the hospitals.

The location of the March 15th meeting of the Society was discussed, with a suggestion it be held at one of the country clubs, if possible.

It was noted that YHA has scheduled a staff meeting at the same time the regular meeting of Council is to be held on March 8.

Announcements included the next Council meeting on March 8th, the next meeting of the Society on March 15th and the Leadership Conference in Chicago, Feb. 17 - 19.

The meeting adjourned at 8:40 p.m.

Robert B. Blake  
Executive Director

# THE OSMA GROUP PRIMARY PROFESSIONAL LIABILITY INSURANCE PLAN



OHIO STATE  
MEDICAL ASSOCIATION

600 South High Street  
Columbus, Ohio 43215

(614) 228-6971

Low but realistic rates . . .  
profit sharing . . . OSMA physi-  
cian controlled . . . responsibly  
managed.

The **ONLY** medical profes-  
sional liability insurance  
program that is totally  
*accountable* to you now,  
and in future years.

Underwritten by  
Physicians Insurance Company of Ohio

PICO toll-free Ohio number:  
1-800-282-7515

# HAPPY BIRTHDAY

Get your annual check-up • Is it time to renew your driver's license?



## March 17

J. N. Brucoli  
W. P. Burick  
P. Soleimani  
W. B. Rich

## March 18

K. E. Camp  
P. A. Dobson

## March 22

F. A. Friedrich  
A. F. Azimpoor

## March 23

D. J. Limbert

## March 24

R. Roland

## March 27

R. L. Gilliland  
C. A. Amedia, Jr.

## March 29

L. N. Green  
F. C. Tiberio

## March 30

C. M. Lee

## March 31

P. B. Cestone  
E. F. Sabado

## April 1

P. E. Krupko

## April 3

B. A. Slabochova

## April 4

R. S. Richards

## April 5

L. Bloomberg  
S. K. Garg

## April 8

T. N. Detesco

## April 9

A. Z. Rabinowitz

## April 10

J. J. Anderson  
J. Mehta  
R. R. Miller  
D. E. Lagoutaris

## April 11

R. J. Cuttica

## April 12

A. B. Cinelli  
B. S. Gordon

## April 13

R. J. Heaver

## April 15

J. E. Might

## CME AT YHA

MARCH 12, 9 a.m. - 10 a.m. Hitchcock Auditorium, surgical conference "NUTRITIONAL SUPPORT FOLLOWING CANCER SURGERY." James J. Reilly Jr., M.D., Ass't professor of surgery, Univ. of Pittsburgh. Cat. I (pending), 1 hour.

MARCH 15, 8 a.m. to 9 a.m., Tower 2 Emergency "SHOCK-HEMODILATION, SEPTIC, CARDIAC." A. Ghani, M.D. Cat. I - 1 hour.

MARCH 17, 8 a.m. to 9 a.m., Pediatric Rounds. Cat. I - 1 hour.

MARCH 17, 8 a.m. to 9 a.m., Hitchcock Auditorium Internal Medicine "INTERSTITIAL NEPHRITIS." A. Rashid, M.D. Cat. I and Presc. (pending) - 1 hour.

MARCH 19, 8 a.m. to 9 a.m., Hitchcock Auditorium, Tumor Conference "PALLIATION OF BONE METASTASES." R. Cuttica, M.D., moderator. Cat. I and Presc. - 1 hour.

MARCH 19, 8 a.m. to 4 p.m. Tod 2 and 3, "FLEXIBLE SIGMOIDOSCOPY FOR PRACTITIONERS." YHA Faculty. Cat. I and AOA - 6 hours, Prescribed - 5 hours.

MARCH 22, 8 a.m. to 9 a.m., Tower 2, Emergency. "BACK PAIN." A. N. Pannozzo, M.D. Cat. I and Prescribed - 1 hour.

MARCH 24, 8 a.m. to 9 a.m., Hitchcock Auditorium, Internal Medicine PAPULOSQUAMOUS DERMATOSES." Steven Helms, M.D., Warren, Ohio. Cat. I and Presc. (pending) 1 hour.

MARCH 26, 8 a.m. to 9 a.m., Hitchcock Auditorium, Tumor Conference, "SURGICAL APPROACH TO GASTRIC CA." C. Crans, M.D., moderator. Cat. I and Presc. - 1 hour.

MARCH 29, 8 a.m. to 9 a.m., Tower 2, Emergency. "PULMONARY INFECTION, ETC." J. Politis, M.D. Cat. I and Presc. - 1 hour

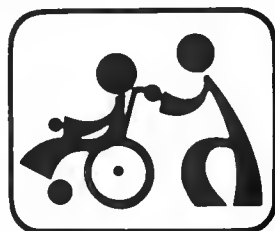
MARCH 31, 8 am. to 9 a.m., Administrative Conference Room North, Family Practice, "ALZHEIMER'S DISEASE," F. Krautter, M.D. Cat. I and Presc. - 1 hour (pending).

**Doctor:**

# **WE HELP YOU HELP YOUR PATIENTS AT HOME**

## **EQUIPMENT AND SUPPLIES FOR:**

*Nursing Care  
Respiratory Therapy  
Oxygen Therapy  
Physical Therapy  
Rehabilitation  
Exercise and Fitness  
Pain Control (TENS)  
Orthopedics  
Traction  
Blood Glucose Monitoring  
EMG Biofeedback  
Ostomy Care  
Incontinence Care  
Apnea Monitoring  
Decubitus Prevention  
Low Back Support  
Venous Pressure  
Support*



**SALES/SERVICE**  
Showroom Store  
1821 Belmont  
**746-8871**

*Youngstown's Oldest "Exclusively Medical" Home Service*

## USHERING IN THE 21ST CENTURY

The addition of nuclear magnetic resonance (NMR) to the vast array of current technology brings with it the exciting probability that we are at the threshold of a new era in diagnostic medicine; for it brings with it the potential of changing the basis of medical practice from the anatomic one, given to us by Virchow in the last century, to a biochemical one for the coming century. Despite the word nuclear in its description this phenomenon is unrelated to fissionable materials or ionizing radiation and refers instead to the rotational properties inherent in certain atomic nuclei which allow them to be manipulated so as to be specifically identified. Although this phenomenon was recognized in the 1920's, so it was the work done by Felix Bloch of Stanford University and Edward M. Purcell of Harvard University in the 1940's which produced the mathematical equations that laid down the foundations of NMR spectroscopy and led to their being awarded the Nobel Prize in 1952.

Those atoms whose nuclei have an odd number of nucleons (protons and neutrons) are electrically charged and their spin corresponds to a current flowing about the spin axis which causes the nuclei to behave as if they were small spinning bar magnets with magnetic moments or dipoles randomly ordered. When placed in a static magnetic field the nuclei come into equilibrium with it, according to a Boltzman distribution, producing a bulk net magnetic moment ( $M$ ) that points in a direction parallel to the static magnetic field.  $M$  can be made to precess (i.e., to tip vertically and rotate around its former axis like a spinning top or gyroscope) by perturbing the equilibrium alignment of the nuclei with the introduction of energy by means of a second small (exciting) field, in the radiofrequency (RF) range of the electromagnetic spectrum, at right angles to the static magnetic field. In order to tip  $M$ , however, the frequency of the exciting field must identically match the natural precessional frequency of the nuclei in the sample; hence the term nuclear magnetic resonance. The natural precessional frequency is also referred to as the resonance or Larmor frequency and is dependent upon the strength of the static magnetic field. The angle at which  $M$  precesses (the precessional angle) is dependent upon the power of the exciting RF field and the duration of its application. Withdrawal of the RF field allows the perturbed nuclei to return to their former state of equilibrium with the static magnetic field (i.e., their surroundings or lattice). In so doing the previously absorbed energy is released and an RF signal which can then be detected, by a surrounding coil (antenna) already tuned to it, and amplified.

Modifications in the application of the exciting RF field and in the handling of the released RF signals allows for information to be gathered in several different ways. For example; by sweeping a sample continuously with exciting fields which traverse the entire RF band (continuous wave techniques), the emitted signals can then be subjected to Fast Fourier Transformation and the NMR spectrum displayed as a plot of signal intensity vs. frequency, or by subjecting a sample to short bursts of RF power at a discrete frequency for varying lengths of time (pulse techniques) observations can be made of two time constants (also called relaxation times) when the power is turned off. Of these,  $T^1$  (spin-lattice relaxation time) is the time necessary for the perturbed nuclei to come back to equilibrium with the static magnetic field (i.e., for  $M$  to return to its original orientation and  $T^2$  (spin-spin or spin-echo relaxation time) represents the time course of the decaying RF signal which takes place exponentially.

The earliest applications of NMR technology were in the fields of physics and chemistry. Its introduction into biology took place very slowly being used to study blood flow in 1952, to study intracellular sodium and intracellular water structure in 1969 and intracellular potassium in 1970. Its direct application to medicine occurred in 1971 when Damadian demon-

strated that one could discriminate between normal and malignant tissues on the basis of their hydrogen nuclei ( $H^+$ )  $T^1$  and  $T^2$  relaxation times. At that time he also suggested that the method might be useful for the rapid diagnosis of malignancy in the operating room and speculated that it could be used for the early in-vivo detection of malignancy by employing imaging techniques. He designed a system for focusing NMR signals from which images could be made and with his collaborators subsequently designed and constructed a whole body human NMR scanner with which they produced the world's first in-vivo scan of the human chest in 1977.

All current techniques for making NMR images are based on the principle that if the magnetic field is rendered inhomogeneous by the superimposition of magnetic linear gradients over the main homogeneous field it is then possible to obtain spatial information from the emitted RF signals with which to construct images. Imaging systems have been designed to receive data from a single point in the sample, from a line in the sample, from a plane in the sample and from the 3-dimensional volume all at once. Commercial units presently on the market vary not only in their data collection and presentation modalities but in the type of magnets used (e.g., resistance, super-conducting and permanent) and in their ability to do on-line, in-vivo  $T^1$  and  $T^2$  measurements. Thus far, only hydrogen nuclei have been used to produce NMR images.

Although NMR imaging is not to be belittled, its major contribution will come from its capability of studying human biochemistry non-invasively. Movement in that direction has now been underway for some time with  $H^+$   $T^1$  and  $T^2$  relaxation times having been studied in blood, plasma, lymph, peritoneal fluid, pleural fluid, amniotic fluid and urine. Preliminary studies have demonstrated differences between transudates and exudates, between normal urine and infected urine and between normal amniotic fluid and meconium stained fluid. Differences in the  $T^1$  and  $T^2$  values in normal tissues and in a variety of tumors has not only been demonstrated for  $H^+$  but for  $^{31}P$  and  $^{23}Na$  as well.  $^{31}P$  NMR spectra have been utilized to measure intracellular pH, to identify skeletal muscle tumors, dystrophic skeletal muscle, hypoxemic cardiac muscle, Adriamycin cardiotoxicity and cerebral ischemia and to study the metabolism of human red blood cells.

At the present time there are no known biologic hazards associated with the current levels of energy used in NMR imaging. However, only a limited number of studies have been done thus far and there is insufficient published data to allow for definitive statements regarding its safety.

Stanley Goldstein, M.D.  
Director of Pediatric Cardiology, YHA

---

## VOLUNTEER COUPLES NEEDED

Volunteer physician and wife couples are needed for the Scholarship Dinner being held April 14 at the Youngstown Club. At least eight couples are needed, with one couple to sit at each table with six students. If you have never attended this function, you will find it very delightful to be with the cream of the crop of high school students in this area. Two students each from 24 high schools take part in this function and are enrolled on the Roster of Scholars of the Mahoning County Medical Society. For those who have been hosts before, you are still welcome to participate again. Don't wait. CALL TODAY 747-4956. You are, of course, expected to pay for two dinners if you attend. Dr. B. P. Brucoli is chairman for the event and the speaker is yet to be announced. DON'T WAIT, CALL TODAY. 747-4956.



# COMPARE MALPRACTICE PREMIUMS

Compare PIE Mutual Insurance Company's premiums with PICO's and discover why one in six of Ohio's practicing physicians has placed his malpractice coverage with PIE:

SPECIALTY		PIE's PREMIUM		PICO's PREMIUM		PIE SAVES YOU
		Primary	Excess	Primary	Excess	
		200/600	1,000,000	200/600	1,000,000	
Class I		\$1,007	\$ 431	\$1,098	\$ 680	\$ 340
Class II		1,755	775	1,979	1,226	675
Radiation Therapy		2,934	1,294	3,432	2,125	1,329
Anesthesiology		5,550	2,394	5,980	3,770	1,806
SURGEONS	Ophthalmology, GP/FP	2,320	928	3,432	2,125	2,309
	Gynecology, General	5,065	2,050	5,980	3,770	2,635
	OB/GYN, Plastic	6,082	2,446	7,176	4,524	3,172
	Thoracic, Orthopedic, Cardiovascular	8,059	3,106	9,568	6,032	4,435
	Neurology	8,100	3,106	9,568	6,032	4,394
	Urological, Geriatrics	3,403	1,720	3,432	2,125	433

**PIE's** lower premiums are because of selective underwriting standards and aggressive claims defense.

**PIE** is THE physicians' company — formed by physicians, governed by physicians and owned by physician policy-holders.

**PIE** is represented in the Mahoning Valley by **TRUMCO Insurance Agency**, 3893 East Market St., Warren, Ohio 44484. For your share of the PIE, call John Fox at (216) 856-2171 or mail the coupon at the left for more information.

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

TELEPHONE \_\_\_\_\_

SPECIALTY \_\_\_\_\_

CURRENT CARRIER \_\_\_\_\_

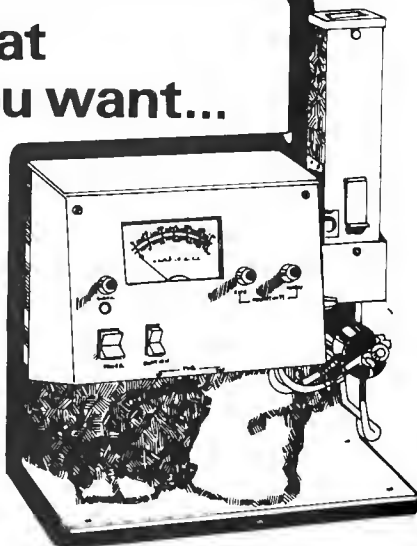
MY PRESENT POLICY EXPIRES \_\_\_\_\_

**TRUMCO INSURANCE AGENCY, INC.**  
3893 East Market St., Warren, Ohio 44484  
(216) 856-2171

**You know what  
equipment you want...**

***We're here  
to see  
you get it!***

For professional  
financial service, call  
Mr. Richard E. Davis,  
vice president  
at 742-7000



**MAHONING BANK**

**...your family financial center**

Member F.D.I.C.

**THE  
MEDICAL PROTECTIVE COMPANY**  
**FORT WAYNE, INDIANA**



**FOR  
PROFESSIONAL  
PROTECTION  
EXCLUSIVELY**

**YOUR FIRST STEP TO FIRST QUALITY PROTECTION**

**CONTACT FIELD REPRESENTATIVES**

**A. C. SPATH and R. A. ZIMMERMANN**

**Suite 106, 23360 Chagrin Boulevard**

**Beachwood 44122**

**(216) 464-9950**

## From the Bulletin

### FIFTY YEARS AGO — MARCH 1933

Two hundred seventy-five doctors came out to hear Dr. E. Starr Judd of the Mayo Clinic lecture on "Acute Cholecystitis." That established a new record for attendance at a regular monthly meeting.

Plans were going ahead for a big Post-Graduate Day in April with a group here from Memorial Hospital in New York. The Speakers Bureau had members out to speak before service clubs and women's groups stressing cancer control.

The late Charles Scofield had an interesting article on "Costs of Medical Care." He invited attention to the high cost of luxuries, or pseudo-medical and pseudo-religious cults; the high cost of government itself and the cost of committees to investigate medical care.

### FORTY YEARS AGO — MARCH 1943

Much news in the *Bulletin* about men in the armed forces and many letters from them - - Chalker was at Camp Crowder in Missouri doing abdominal surgery and varicose veins; Sam Tamarkin in the Air Corps at Columbus, S. C. was doing general medicine and trying to keep warm in the damp, cold climate; Szucs was at the Maritime Training Station in Boston with the U.S. Public Health Service; Shensa was at Augusta, Ga., training with a field unit; McConnell was in Cairo, Egypt, sight-seeing up and down the Nile; Goldstein was practicing Dermatology for the Navy at Newport, R. I.; Goldberg had been at Camp Davis in North Carolina for two years, doing anesthesia; Coombs was at Truax Field in Madison, Wisconsin, running the laboratory of a 700-bed hospital with only one technician to help; Cukerbaum was stationed at the U.S. Naval Hospital in Corpus Christi, Texas; John Goldcamp was at Fort Sill, Oklahoma; Tims was in England wishing he were here to see his new-born son; Morris Rosenblum was at Columbia University studying clinical Pathology, auspices of the U.S. Army; Kupec was Squadron Surgeon and Flight examiner for the Air Corps at Buckley Field, Colorado; Ipp was chief of the medical service at the Army Air Force Navigation School at San Marcos, Texas. The whereabouts of Wm. McElroy and Ray Hall were unknown. Their families had not heard from them for seven weeks.

### THIRTY YEARS AGO — MARCH 1953

President Goodwin congratulated WKBN and WFMJ on securing television facilities for Youngstown. He predicted that the medium would be of great value in educating the public in health matters.

The Chief of the Veterans' Administration said that a segment of medicine was determined to eliminate non-service connected disability from the VA and that would wreck their program. He said there was not much difference between non-service and service-connected disabilities.

New members that month were: W. B. Hardin and J. N. Thanos. Meetings were held at the Elks Club.

### TWENTY YEARS AGO — MARCH 1963

From the report of the VD Clinic (Henri Schmid): Gonorrhea continues to flourish uncontrolled. Loose morals, promiscuity and difficulty in detecting the disease in the female . . . are the main reasons.

Sidney Keyes was elected President of the Academy of General Practice. Erhard Weltman was President-Elect. G. E. DeCicco was Secretary.

M. S. Rosenblum was President of the Ohio State Alumni Association in Mahoning County. He was instrumental in raising \$33,499.00 for the O. S. U. Development Fund.

### TEN YEARS AGO — MARCH 1973

Professional Service Review Organization (PSRO) was at the top of the protest list of organized medicine. Passed by Congress on October 30, 1972, the full impact and meaning was beginning to come into focus. President Ed Pichette wrote: "This law probably represents the greatest step forward in the gradualism that is circumscribing our profession." Editor Bill Moskalik asked in his editorial, "Is this part of the plan to bring National Health Insurance to our nation?" He urged all members to come to the meeting and learn how PSRO was going to affect their practice of medicine.

The meeting was held on March 20 at the Youngstown Club. Guest speaker was Mr. Preston Jolley, Medicare Manager for the State of Ohio for Nationwide Insurance Company. Also speaking was Dr. Jack Schreiber, representing the medical profession. There were 106 members attending plus wives and guests bringing the total attendance to 140, the best attendance since the Centennial meeting. The discussion lasted long into the night.

Two more prominent physician members of the Society passed away—Dr. Peter J. McOwen on February 10, 1973 at the age of 77, and E. R. Thomas at the age of 85. Dr. McOwen was a dermatologist on the staff of St. Elizabeth's Hospital where he interned in 1927. His son, Peter J. McOwen, Jr. carries on the practice in the Bel Park Medical Building.

Dr. Thomas, at the time of his retirement in 1968, was the oldest pediatrician in Youngstown. He served as Youngstown School Physician for 28 years. He and a Cleveland physician did the research that resulted in the SMA baby food and formula products.

New active members that month were Yiechul Jung, M.D. and Don Sung Lee, M.D. New associate members were Vinod Kumar Sethi, M.D., Gopal J. Nigam, M.D., and Youngku Peter Sheen, M.D.

Robert R. Fisher, M.D.

## BOARDMAN HEARING AID SERVICES

6251 Market Street • Marwood Office Center  
Youngstown, Ohio 44512

- Service Available Six Days Weekly
- Trial Fittings
- At the Door Parking

E. R. JONES

PHONE: 758-7345

O. L. CLUSE

## HITCHCOCK MEDICAL CENTER

BOARDMAN, OHIO

UNDER NEW MANAGEMENT

For Rental Information: Call 792-3516

## DR. BUNN TAKES YHA POST

Dr. William H. Bunn, who was chief of the division of medicine at Youngstown Hospital Association has been named to the position of vice president of medical affairs. He succeeded Dr. Robert A. Wiltsie.

Dr. Bunn is a member of the Mahoning County Medical Society and as program chairman in 1982 was instrumental in the presentation of the first ever Joseph Paul and Mary Collins Harvey Lectureship in Medicine. He is a professor of medicine at the Northeastern Ohio Universities College of Medicine in Rootstown and is a member of a number of medical associations and organizations.

---

## CPR COURSE FOR PHYSICIANS

A special four-hour basic CPR course (4-6 p.m.) for physicians is scheduled for April 8, 1983 at Hitchcock Auditorium of YHA's South Unit, Dr. Ramiro Albarran-Sotelo, Director, announces.

The program is free, is limited to 25 physicians and carries four hours of Cat. I CME and Red Cross certification. A minimum of two weeks pre-registration is required and can be made by calling Dr. Albarran at 788-5855.

---

## OLD TIMER DECLARES

I never made but one New Year's resolution, the same one every year. It was simply to do better. That may sound selfish from a financial standpoint and there was certainly room for improvement in that area.

In October 1929, the banks closed. I was paying on a new home, and had a wife, three children and a chestnut gelding to support. Hardly anybody had any money and patients were paying me in bread, eggs, potatoes and yard work. One husky millworker who was spading by garden threw down his spade and walked off the job because it was too hard. I finished the job myself in my spare time.

Truly the purpose of the resolution was to improve the quality of my work. My job at the Republic Steel gave me a lot of traumatic surgery to do. The Baby Welfare Station taught me much about children. The Florence Crittenton Home improved my obstetric technique. I used to leave the house at 6 a.m. and tear up to Cleveland at 45 m.p.h. in my Ford coupe (\$824.50 brand new) to see Tom Jones and the two George Criles operate and get home in time for afternoon office hours. Doctors were plentiful then and the competition was keen. Home calls were made willingly, day or night. When my weight got down to 127 pounds, I started going to the "Y" at noon for calisthenics, volley ball, and a quick lunch, arriving late to an office full of patients and looking for a place to lie down. When my weight got up to 160, I quit that but did more formal post-graduate work in surgery at the Cook County Hospital, in fractures at Massachusetts General, and the course in general practice that the Cleveland Clinic gave every February, where I learned much about blood from Hayden, about heart surgery from Carlton, and arthritis from Scherbel.

Continual study was the rule. At Jefferson, they taught us that we would make a good living but never get rich. I found that to be true. My big mistake was in outlasting most of my patients and friends. I survived many fractures, appendicitis, prostatitis, and delirium tremens.

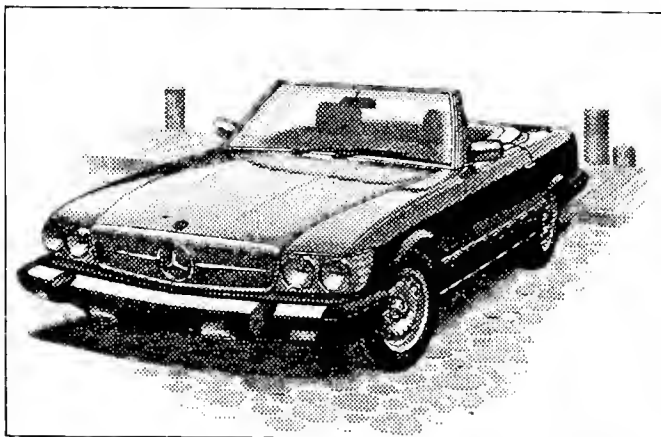
After three strokes, I am now bedfast, I have no wife, no home and no job. A lady said to me recently, "I wish I had your brain!" I told her that was the only thing that is left of me.

It's too late now to make any more New Year's resolutions.

J. L. Fisher

# Mercedes-Benz

Engineered like no other car in the world.



FACTORY AUTHORIZED SALES & SERVICE  
PARTS & LEASING

NEW & PRE-OWNED PRESTIGIOUS CARS

## **MARTIN CLASSIC CARS**

*Inc.*

751 EAST MARKET ST., WARREN, OHIO 44481

YOUNGSTOWN  
PHONE

**545-1645**

*Located In  
Downtown  
Warren*

WARREN  
PHONE

**399-8851**



# **Your Communication And Business Center**

TELEPHONE ANSWERING  
RADIO PAGING  
MOBILE AND PORTABLE TELEPHONES  
COLLECTIONS

## **Medical-Dental Bureau, Inc.**

275 FEDERAL PLAZA WEST  
YOUNGSTOWN, OHIO 44503

**744-4513**

Lois Moss, Manager

# Improved **cash flow**

Collecting your fees efficiently and on a timely basis is a more pressing need today than ever before. The new ADVANCE Plan agreement now being introduced by Ohio Medical Indemnity Mutual Corp., the Blue Shield Plan in Worthington, offers features which streamline the claims handling system and assure quick availability of your money. The agreement asks that you accept as payment-in-full our UCR reimbursement for covered Basic services you perform. In return, it assures that you automatically receive those payments *directly* from OMIM every time.

And you will receive your reimbursement in batched checks every week, an improvement over the current biweekly schedule. If you'd prefer, you also have the option of having your Blue Shield payments deposited directly into your bank account: electronically, confidentially, safely. For full details, ask your Blue Shield Professional Relations area representative. Improved cash flow. It's one of the advances of the

## **ADVANCE PLAN**

---

Good business theory,  
put into practice

---



**Blue Shield**  
Ohio Medical Indemnity Mutual Corp.



# easy to take



**250-mg Pulvules®**



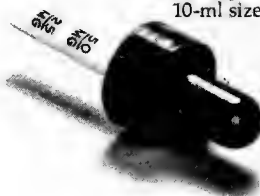
## **Oral Suspension**

250 mg/5 ml  
100 and 200-ml  
sizes

125 mg/5 ml  
60, 100, and  
200-ml sizes

## **Pediatric Drops**

100 mg/ml  
10-ml size



# **Keflex®**

**cephalexin**

Additional information  
available to the profession  
on request.



000823

**Dista Products Company**  
Division of Eli Lilly and Company  
Indianapolis, Indiana 46285  
Mfd. by Eli Lilly Industries, Inc.  
Carolina, Puerto Rico 00630

## CME AT ST. ELIZABETH HOSPITAL

MARCH 11, Cardiology "Calcium Antagonists in the Treatment of Angina Pectoris." Milton Packer, M.D., F.A.C.C., Mount Sinai Hospital, New York.

MARCH 18, to be announced.

MARCH 25, Sleep Disorders "Differential Diagnosis of Insomnia and the Use of Hypnotics." Thomas Roth, Ph.D., University of Michigan School of Medicine.

APRIL 8, to be announced.

### SYMPOSIUM SERIES

APRIL 7, Pediatric Surgery, 9 a.m. through 12:15 p.m. luncheon. Lester Martin, M.D.

## 7 BEDROOMS — 5 BATHS

Almost new brick home, 4,800 sq. ft. One of a kind on 3 acres wooded and fenced for large family businessman. This house has inground filtered Olympic sized pool, small lake, duck pond, gas heat, central air, family room and three of 7 bedrooms on the first floor. Attached oversized garage. Luxuries and special features you won't believe. Bay windows and thermopane windows. Appointments only. Excellent perfect condition. \$195,000 or best acceptable offer.

### DAVE BARTHOLOMY, REALTOR

Office 758-4525

MLS Residence 758-6027

*We are pleased to announce the incorporation of*

## PRACTICE MANAGEMENT ASSOCIATES

14077 Cedar Road • Cleveland, Ohio 44118

(216) 921-8811

Offering Consulting Services and Review of:

Patient Scheduling • Office Productivity  
Time Management • Billing and Collecting

## HOME FOR SALE

ATTORNEY GEORGE M. JONES

1351 Youngstown Country Club Drive - - Liberty

759-1269

PLEASE CALL FOR DETAILS

ANXIOUS TO SELL

EXCELLENT FINANCING AVAILABLE

10 MINUTES TO ST. ELIZABETH HOSPITAL

5 MINUTES TO NORTH SIDE HOSPITAL

## Classified Advertising

### SPACE AVAILABLE

**FOR IMMEDIATE OCCUPANCY**  
Office space available. 960 Sq. Ft. in Forest Hill Professional Center. 8150 Market St., Boardman, Ohio.  
Call Dr. Friedrich, 758-1411

### HOUSE FOR SALE

Warner Road - Liberty. 3,700 Sq. Ft. on 8 acres. Asking \$225,000. G. Robert Barton, M.D., 568-7384.

### FOR SALE

One wood treatment table, 1 ritter table, 1 Cryo stick. Call after 6:00 p.m. Ellen E. Tims, 788-9024.

### OFFICE SPACE

Choice Office Space. Modern, well decorated. Up to date high rise building. 1350 Fifth Ave., Wick Park area. Choice suites available from 300 sq. ft. For appointment call 747-3517.

### HOUSE FOR SALE

Indian Trail, Poland, 2½ acres wooded area, abutting Poland Park. Georgian Style. 4 years old with heated pool, 4-car heated garage, 5 bedrooms with 3½ baths. Five minutes from I-680. Asking \$395,000. Call Dr. William B. Rich at 755-3233.

### CHINA TOUR

Medical-Dental tour of China departing Sept. 19, 1983. Returning Oct. 8th. Certificates of attendance to physicians available. If interested, contact Dr. Chevlen, 744-1184.

### FOR RENT

New Hampshire. Contemporary solar ski house. Secluded, wooded area; two bedrooms and loft; fireplace, fully furnished. \$275 per week plus utilities. W. Loeser, M.D. 799-7372 or 746-0109.

### YOURS FOR THE TAKING

Office Model Ultra Violet lamp, complete. Used for treatment of skin disorders. Owned by practicing physician. Located at 4141 Sampson Road, phone 759-0744. (Professionals Only)

### SPACE AVAILABLE

Office space available - 624 Youngstown-Poland Rd., Struthers, Ohio. Call Dr. DiDomenico for further information. 755-1495.

### CARS

Car buffing, waxing and cleaning. Rust work. Free pick up and delivery. Physician references. Joe Guyan, 782-8772.

### FOR SALE

Ambulatory Cardiac Monitor made by Cardiodyne, \$900.00. Excellent condition. Being retailed for \$1999. S. K. Mishr, M.D., 124 S. Main St., Poland, Ohio 44514.

### FOR SALE OR RENT

Villa for sale or rent. Hilton Head Island. Three bedrooms, 3½ baths. Decorator furnished. Garage, laundry, large sundeck overlooking nature preserve, tennis courts, heated pool, jacuzzi, bike trails. Ocean, golf, marina nearby. Call Dr. A. Conte - 726-8877.

### HOUSE FOR SALE

Boardman area - Squirrel Hill. 3 Bedrm. Colonial. Central Air, many extras. Owner will consider financing 25% down.

Call 743-4170 or 758-1012

### EQUIPMENT FOR SALE

Office equipment for Family Practice and Pediatrics for sale. New pediatric examining table with built-in scale, flat examining table, sterilizer and one medical cabinet. Call Dr. Bohmila Slabochova, 793-9543. 25 N. Canfield-Niles Road, Office #30, Austintown.

### HOW TO BUY EXPENSIVE SUITS INEXPENSIVELY

JANON

# HONG KONG

TAILOR

**HOLIDAY HOUSE  
MONROEVILLE**  
LOWER LEVEL  
PHONE

**823-3224 824-4000**

Can you afford a suit off the rack...then you can afford a beautiful hand made suit from Montoj Tailor.

Let us help you look and feel perfect...especially if you are Short, Slim or Hard To Fit.

**SUITS  
\$185**

Regularly \$245

**SHIRTS  
\$24<sup>50</sup>**

Regularly \$29

Over 5,000 fabrics to choose from

• We Also Make Ladies' Suits & Shirts

Daily 11:00 to 8:30 SAT. 11:00 to 6:00

**FREE PARKING**



# Introducing TYCOS ACOUSTIC SPHYGMOMANOMETER



## TYCOS SPECIFICATIONS — MODEL — TYCOS A-1000

Display Type	Digital Liquid Crystal
Measurement Range	Pressure: 0 to 300mm Hg Pulse: 40 to 200/min. ( $\pm 5\%$ )
Manometer Pressure Accuracy	$\pm 3$ mm Hg or $\pm 2\%$ of Reading, whichever is greater
Cuff Inflation	Manual—Rubber Bulb
Cuff Deflation Rate	Automatic Deflation Valve
Fast Pressure Release	Push-Button on Valve
Korotkoff Sound Detection	Piezo-Electric Ceramic Microphone
Power Source	Four AA Alkaline Batteries, Optional Adapter, 120V AC
Operating Environment	50°F to 104°F (10°C to 40°C) 85% Relative Humidity Max. (non-condensing)
Storage Environment	-4°F to 131°F (-20°C to 55°C)
Unit Weight	Approximately 10.5 oz. (300g) with Batteries
Dimensions	Approximately 3"W x 6"L x 1.6"H (80mm x 155mm x 41mm)
Accessories	120 VAC, 60 Hz Adapter—Child Cuff 8" to 11" (20cm to 28cm) Large Adult Cuff 13½" to 20" (34cm to 51cm)

When our representative calls on you, ask him  
for further information  
or phone: (216) 755-9876

## Lyons Physician Supply Co.

704 Youngstown-Poland Rd.  
Youngstown, Ohio 44501